

Upper Merrimack Annual Water Use versus Stream Flow – Calendar Year 2003

The Upper Merrimack Water Management Planning Area (WMPA) covers 2428 square miles and includes two stream flow gages that were used in this assessment: **USGS 01081500**

MERRIMACK RIVER AT FRANKLIN JUNCTION, NH and USGS 01092000

MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH. The Franklin gage measures approximately 1509 square miles; the Goffs Falls gage, 3092 square miles. The beginning of the Designated River is at the confluence of the Pemigewasset River with the Winnipesaukee River and the end is at Garvins Falls in the town of Bow. Data from the Contoocook River Annual Water Use versus Stream Flow Assessment was used to establish flow on part of the Upper Merrimack.

The Upper Merrimack Designated River includes the watersheds of the Pemigewasset Designated River, the Winnipesaukee River and the Contoocook Designated River. The Pemigewasset watershed is 1223 square miles and the Winnipesaukee watershed adds another 486 square miles such that the watershed at the upper end of the Upper Merrimack Designated River is 1508 square miles. The Contoocook watershed adds 764 square miles to make the Upper Merrimack watershed equal 2339 square miles at their confluence.

The following descriptions cover the Upper Merrimack without details of the Pemigewasset and Contoocook Designated Rivers except where noted. Please refer to the Pemigewasset and Contoocook annual reports for details within these rivers. There are 53 registered sources and 16 registered, measured returns in the Upper Merrimack Water Management Planning Area. Of these, 36 of the sources and 10 of the returns are in the Winnipesaukee watershed. There are 59 registered sources and 18 registered, measured returns in the Pemigewasset Water Management Planning Area. There are 57 registered sources and 15 registered, measured returns in the Contoocook Water Management Planning Area.

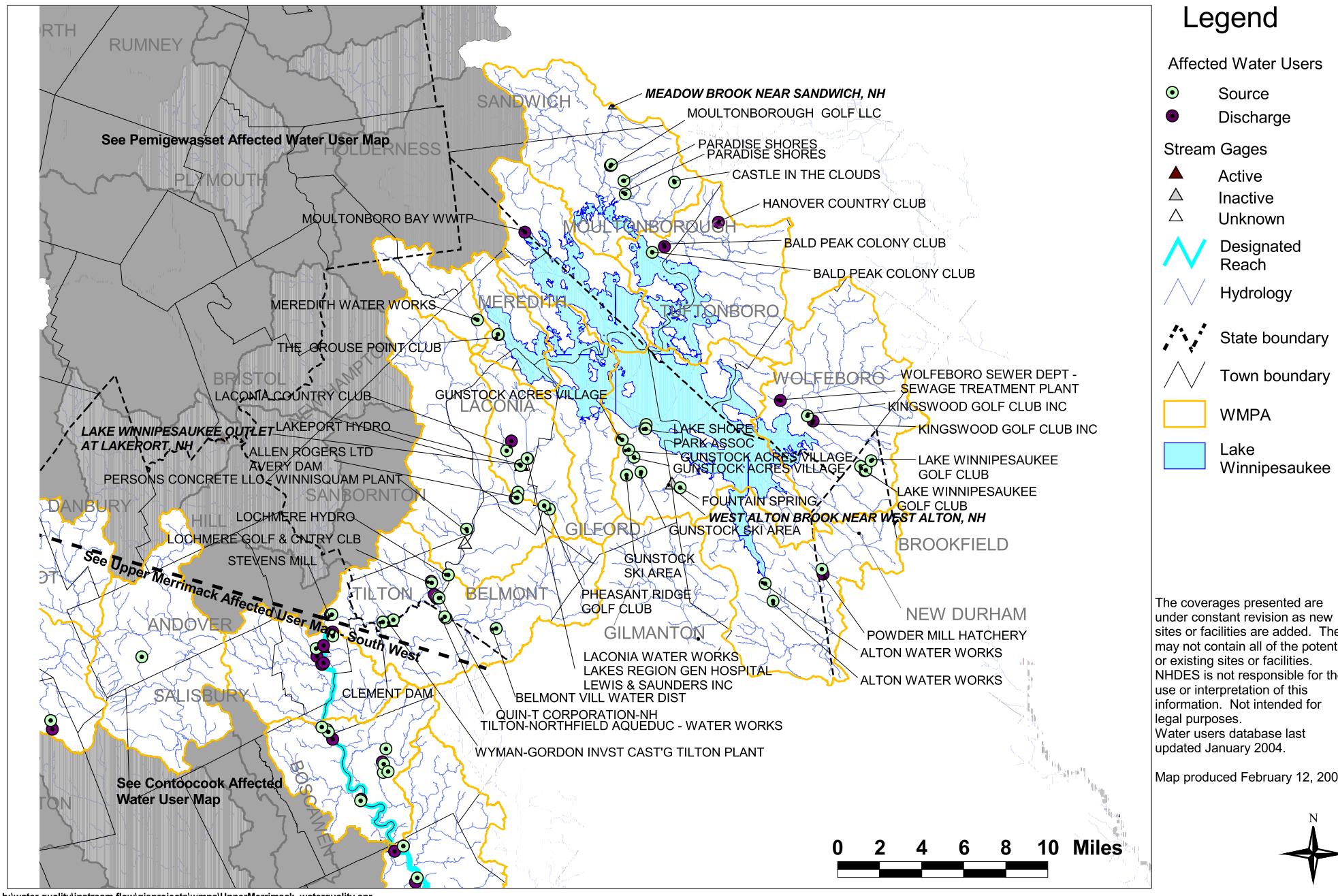
The Upper Merrimack Designated River was in compliance with the General Standard during the entire year. Note that the Pemigewasset Designated River was in compliance with the General Standard during the entire year, but that portions of the Contoocook Designated River were not in compliance during February, July, August, September and November. Only in July was the Contoocook not in compliance with the General Standard at its confluence with the Upper Merrimack.

The Upper Merrimack Water Management Planning Area includes registered water use by five hydroelectric facilities. All five are in the Winnipesaukee watershed and none are on the Designated River mainstem. Water use by hydroelectric facilities are not shown in the monthly graphs because flow in is expected to equal flow out and because the General Standard does not apply to hydroelectric facilities between their point of withdrawal and point of return per Env-Ws 1903.02(d). Other water users include ten water works systems and four waste water facilities. One of these is the Winnipesaukee River Basin facility that is the state-owned sewer system serving portions of the New Hampshire Lakes Region communities of Center Harbor, Moultonborough, Gilford, Meredith, Laconia, Belmont, Sanbornton, Northfield, Tilton, and Franklin. The facility releases treated water to the Upper Merrimack in Franklin. In addition, registered water users include ten golf course irrigation systems, one snowmaking operation, three agricultural facilities,

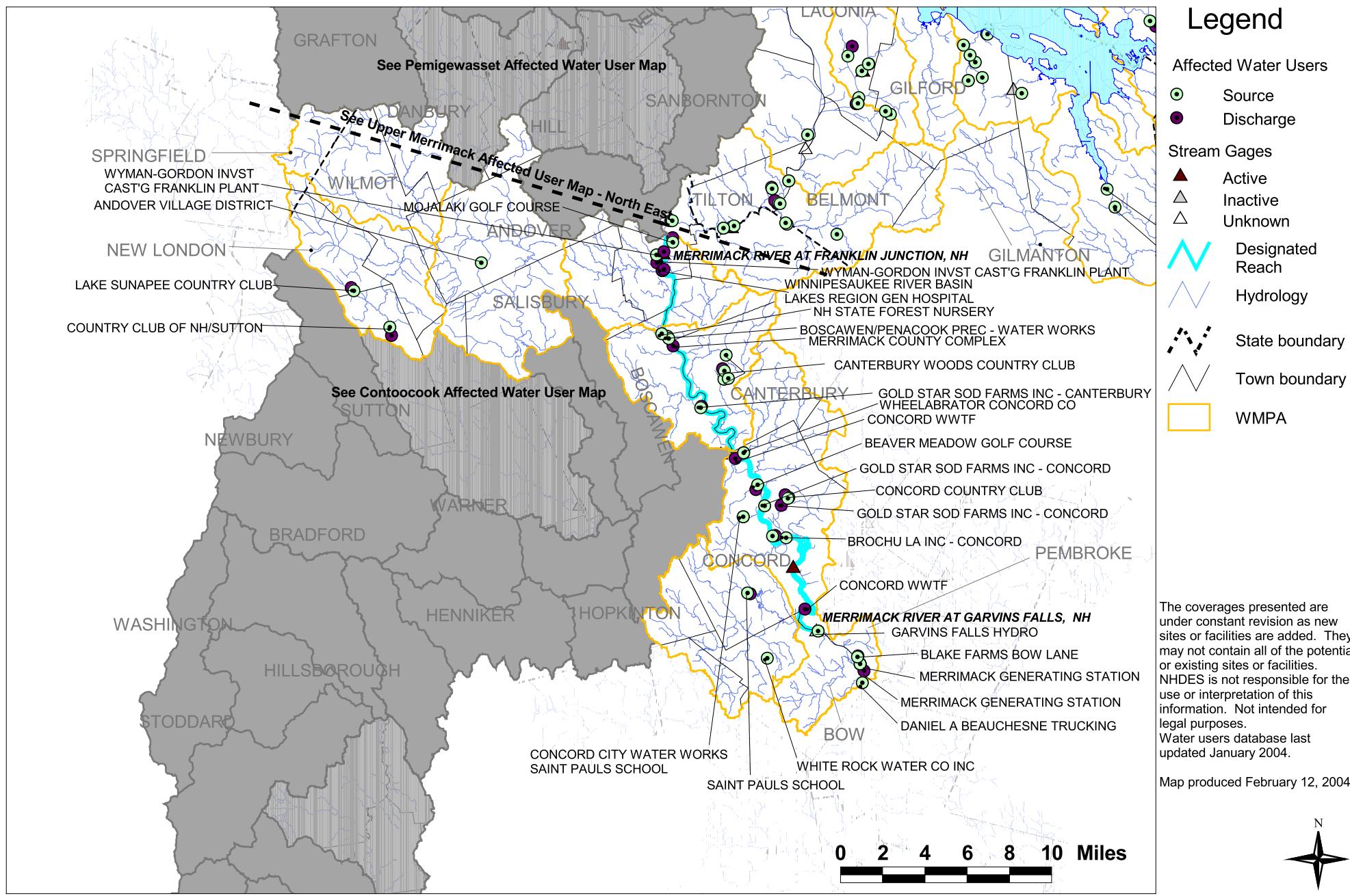
and one aquaculture facility. There are two institutional water uses, one bottled water facility and six industrial facilities. There were five water transfers identified. More are likely, but cannot be identified by GIS means.

The Upper Merrimack Designated River drains into the Lower Merrimack Designated River. The results of this assessment are components of that river's assessment.

Upper Merrimack Affected Water User Facilities: Source and Discharge Locations - North East



Upper Merrimack Affected Water User Facilities: Source and Discharge Locations - South West



2003 Upper Merrimack Aggregate Water Use in CFS																
WU_NAME	FACILITY	WUSD_ID	DA on	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Pemigewasset River	End of Designated Reach	Pemi water use	1022.6	6.71	2.99	2.28	2.91	3.69	5.09	5.09	4.50	3.25	2.75	4.82	7.68	
Start of DR	Winnipesaukee and Pemigewasset confluence		1508.4	11.42	7.30	6.60	7.12	7.91	10.78	12.04	10.51	8.51	6.62	8.59	13.37	
WATTS REG/WEBSTER VALVE	FRANKLIN PLANT	20124 20124-D02	1509.4	11.42	7.30	6.60	7.12	7.91	10.78	12.04	10.51	8.51	6.62	8.59	13.37	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-S02	1509.6	11.42	7.30	6.60	7.12	7.91	10.78	12.04	10.51	8.51	6.62	8.59	13.37	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-D02	1511.9	11.42	7.30	6.60	7.12	7.91	10.78	12.04	10.51	8.51	6.62	8.59	13.37	
NH DES WATER DIVISION	WINNIPESAUKER RIVER BASIN	20081 20081-D01	1523.1	4.28	0.37	-3.97	-5.53	-2.78	2.08	4.76	1.04	0.69	-1.91	-1.62	1.77	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S02	1540.4	4.85	0.97	-3.34	-4.88	-2.30	2.53	5.02	1.30	1.00	-1.59	-1.08	1.77	
NH STATE FOREST NURSERY	NH STATE FOREST NURSERY	20649 20649-S01	1542.4	4.85	0.97	-3.34	-4.88	-2.29	2.54	5.06	1.33	1.03	-1.59	-1.08	1.77	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S03	1542.4	4.85	0.97	-3.34	-4.88	-2.08	2.83	5.55	1.71	1.33	-1.30	-1.04	2.41	
MERRIMACK COUNTY COMPLEX	MERRIMACK COUNTY COMPLEX	20277 20277-D01	1543.4	4.76	0.88	-3.41	-4.99	-2.17	2.74	5.47	1.63	1.25	-1.38	-1.11	2.32	
CANTEBURY WOODS COUNTRY CL	CANTERBURY WOODS CC	20754 20754-S04	1557.3	4.76	0.88	-3.41	-4.99	-2.17	2.74	5.68	1.77	1.35	-1.31	-1.11	2.32	
GOLD STAR SOD FARMS INC	CANTERBURY	20378 20378-S01	1567.6	4.76	0.88	-3.41	-4.94	-1.77	3.61	7.07	2.91	2.99	-1.14	-1.11	2.32	
Cold Brook			1573.4	4.76	0.88	-3.41	-4.94	-1.77	3.61	7.07	2.91	2.99	-1.14	-1.11	2.32	
Confluence of Upper Merrimack and Cont	Contoocook water use	Cont water use	2339.2	6.40	4.76	-3.15	0.15	2.25	4.79	9.98	4.75	4.83	0.24	0.55	4.40	
CONCORD WWTF	PENACOOK POTW	20073 20073-D01	2339.4	5.82	4.17	-4.29	-1.09	1.39	4.06	9.37	3.69	4.22	-0.52	-0.41	3.19	
CONCORD GOLF COURSE	BEAVER MEADOW GOLF COURSE	20529 20529-S01	2364.8	5.82	4.17	-4.29	-1.06	1.42	4.31	9.54	3.80	4.33	-0.52	-0.41	3.19	
GOLD STAR SOD FARMS INC	CONCORD	20379 20379-S01	2364.9	5.82	4.17	-4.29	-1.06	1.42	4.55	10.47	4.00	4.69	-0.52	-0.41	3.19	
CONCORD CITY	WATER WORKS	20005 20005-S01	2369.8	12.84	10.35	2.17	5.69	8.18	11.99	19.02	11.51	12.63	6.99	6.95	10.19	
BROCHU LA INC	CONCORD	20459 20459-S02	2371.2	12.84	10.35	2.17	5.69	8.22	12.04	19.04	11.53	12.64	6.99	6.95	10.19	
BROCHU LA INC	CONCORD	20459 20459-S01	2374.3	12.84	10.35	2.17	5.69	8.24	12.07	19.09	11.55	12.66	6.99	6.95	10.19	
CONCORD COUNTRY CLUB	CONCORD COUNTRY CLUB	20710 20710-S01	2382.2	12.84	10.35	2.17	5.72	8.34	12.25	19.29	11.70	12.71	6.99	6.95	10.19	
CONCORD WWTF	CONCORD POTW	20072 20072-D01	2388.9	5.71	3.47	-6.63	-4.39	-0.23	4.78	12.90	4.92	6.27	0.34	-0.40	1.75	
SAINT PAULS SCHOOL	ST PAULS SCHOOL	20509 20509-S01	2427.2	5.71	3.47	-6.63	-4.39	-0.23	4.78	13.04	5.05	6.40	0.34	-0.40	1.75	
End of DR	Garvin Falls in Bow		2428.0	5.71	3.47	-6.63	-4.39	-0.23	4.78	13.04	5.05	6.40	0.34	-0.40	1.75	

USGS 01081500 MERRIMACK RIVER AT FRANKLIN JUNCTION, NH

DA(mi²) 1509.6
7Q10 (cfs) 544

	Mean of daily streamflows (2003) in cfs	Mean of monthly streamflows (POR) in ft ³ /s		Median of monthly means (cfs)	Calculated Monthly mean CFSM	General Standard in cfsm
		Mean of monthly streamflows	Median of monthly means (cfs)			
Jan-03	1236.8	2112	1911	0.82	0.02	
Feb-03	1004.4	2068	1889	0.67	0.02	
Mar-03	3548.7	3459	2779	2.35	0.04	
Apr-03	5670.3	7084	6906	3.76	0.04	
May-03	4314.8	5003	5034	2.86	0.04	
Jun-03	1871.8	2539	2180	1.24	0.04	
Jul-03	809.0	1580	1315	0.54	0.02	
Aug-03	2875.6	1299	1144	1.91	0.04	
Sep-03	1946.5	1444	1179	1.29	0.04	
Oct-03	4081.3	1788	1509	2.71	0.04	
Nov-03	5248.3	2363	2107	3.48	0.04	
Dec-03	7194.5	2384	1971	4.77	0.16	

2003 daily data availability

99.2% = number of days with data in 2003 / 365 days

 Using POR average streamflow for this month

 Using interpolated values or POR average daily

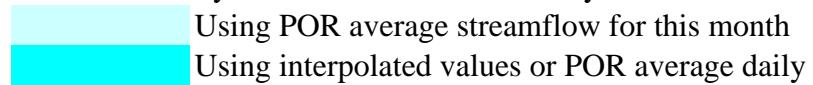
USGS 01092000 MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH

DA(mi²) 3092
7Q10 (cfs) 637

	Mean of daily streamflows (2003) in cfs	Mean of monthly streamflows (POR) in ft3/s	Median of monthly means (cfs)	Calculated Monthly mean CFSM	General Standard in cfsm
Jan-03	2981.3	4496	4358	0.96	0.02
Feb-03	2545.0	4707	3912.5	0.82	0.02
Mar-03	8555.2	7983	7431	2.77	0.04
Apr-03	14060.0	13974	13840	4.55	0.16
May-03	8352.6	8625	8359.5	2.70	0.04
Jun-03	4194.7	4536	3900	1.36	0.04
Jul-03	1326.3	2444	1981	0.43	0.0103
Aug-03	4838.7	1940	1563.5	1.56	0.04
Sep-03	2998.7	2086	1568	0.97	0.02
Oct-03	6176.5	3008	2219	2.00	0.04
Nov-03	8751.7	4650	3987	2.83	0.04
Dec-03	12789.7	5232	4400	4.14	0.16

2003 daily data availability

100.0% = number of days with data in 2003 / 365 days

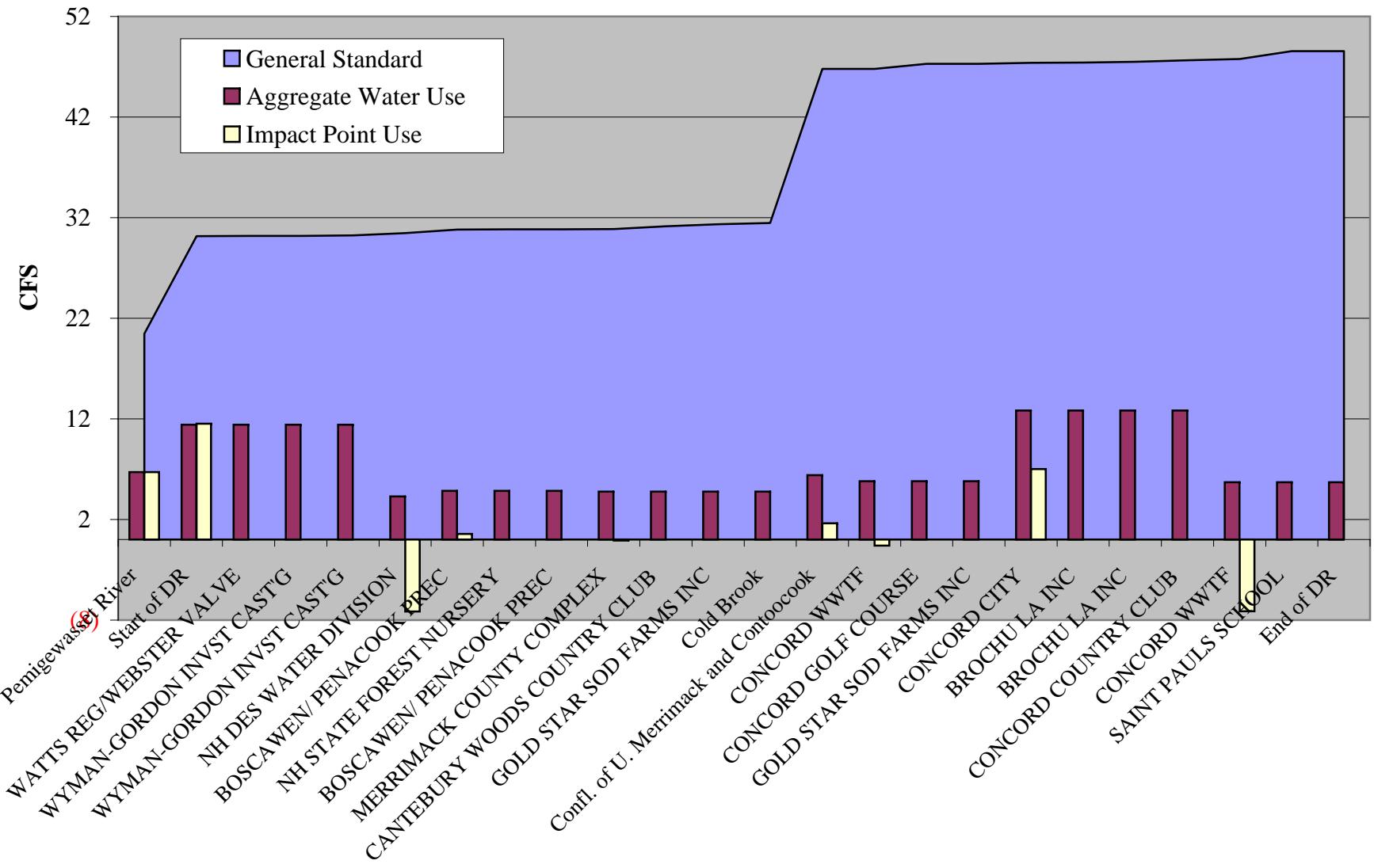


2003 Upper Merrimack Estimated Monthly Stream Flow at Each Impact Point in CFS		USGS 01081500 MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	Calculated 2003 monthly mean streamflow in CFSM	1509.6												
			Calculated 2003 monthly mean streamflow in CFS		0.82	0.67	2.35	3.76	2.86	1.24	0.54	1.91	1.29	2.71	3.48	4.77
		USGS 01081500 MERRIMACK RIVER AT FRANKLIN JUNCTION, NH	Calculated 2003 monthly mean streamflow in CFS	1239	1006	3555	5680	4322	1875	810	2881	1950	4088	5257	7207	
		USGS 01092000 MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	Calculated 2003 monthly mean streamflow in CFSM	3092.0	0.96	0.82	2.77	4.55	2.70	1.36	0.43	1.56	0.97	2.00	2.83	4.14
		USGS 01092000 MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH	Calculated 2003 monthly mean streamflow in CFS	2981	2545	8555	14060	8353	4195	1326	4839	2999	6176	8752	12790	
WU_NAME	FACILITY	WUSD_ID	DA on	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Pemigewasset River	End of Designated Reach	Pemi stream flow	1022.6	839	682	2408	3848	2928	1270	549	1951	1321	2769	3561	4882	
Start of DR	Winnipesaukee and Pemigewasset confluence		1508.4	1238	1005	3552	5676	4319	1874	810	2878	1948	4085	5253	7201	
WATTS REG/WEBSTER VALVE	FRANKLIN PLANT	20124 20124-D02	1509.4	1239	1006	3554	5679	4322	1875	810	2880	1950	4088	5257	7206	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-S02	1509.6	1239	1006	3555	5680	4322	1875	810	2881	1950	4088	5257	7207	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-D02	1511.9	1242	1005	3558	5695	4330	1880	810	2885	1951	4091	5261	7221	
NH DES WATER DIVISION	WINNIPESAUKE RIVER BASIN	20081 20081-D01	1523.1	1256	1000	3573	5768	4367	1904	807	2905	1954	4104	5276	7289	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S02	1540.4	1277	992	3597	5882	4425	1941	803	2936	1958	4123	5300	7395	
NH STATE FOREST NURSERY	NH STATE FOREST NURSERY	20649 20649-S01	1542.4	1280	991	3600	5896	4432	1946	802	2940	1959	4125	5303	7408	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S03	1542.4	1280	991	3600	5896	4432	1946	802	2940	1959	4125	5303	7408	
MERRIMACK COUNTY COMPLEX	MERRIMACK COUNTY COMPLEX	20277 20277-D01	1543.4	1281	991	3601	5902	4435	1948	802	2942	1959	4126	5304	7414	
CANTEBURY WOODS COUNTRY CL	CANTERBURY WOODS CC	20754 20754-S04	1557.3	1298	984	3620	5995	4482	1978	798	2967	1963	4141	5323	7500	
GOLD STAR SOD FARMS INC	CANTERBURY	20378 20378-S01	1567.6	1311	979	3634	6064	4517	2001	795	2986	1965	4152	5336	7564	
Cold Brook			1573.4	1319	976	3641	6103	4536	2014	794	2996	1966	4158	5343	7600	
Confluence of Upper Merrimack and Cont	Contoocook water use	Cont stream flow	2339.2	2043	1625	6121	10266	6331	3060	1018	4013	2517	5439	7251	10669	
CONCORD WWTF	PENACOOK POTW	20073 20073-D01	2339.4	2043	1625	6121	10267	6331	3060	1018	4013	2518	5440	7251	10670	
CONCORD GOLF COURSE	BEAVER MEADOW GOLF COURSE	20529 20529-S01	2364.8	2072	1651	6197	10385	6401	3096	1029	4047	2539	5478	7313	10756	
GOLD STAR SOD FARMS INC	CONCORD	20379 20379-S01	2364.9	2072	1652	6197	10385	6401	3096	1029	4048	2539	5478	7314	10757	
CONCORD CITY	WATER WORKS	20005 20005-S01	2369.8	2077	1657	6211	10408	6414	3103	1032	4054	2543	5485	7325	10773	
BROCHU LA INC	CONCORD	20459 20459-S02	2371.2	2079	1658	6216	10415	6418	3105	1032	4056	2544	5487	7329	10778	
BROCHU LA INC	CONCORD	20459 20459-S01	2374.3	2082	1662	6225	10430	6427	3110	1034	4060	2547	5492	7336	10789	
CONCORD COUNTRY CLUB	CONCORD COUNTRY CLUB	20710 20710-S01	2382.2	2091	1670	6249	10466	6448	3121	1037	4071	2553	5503	7355	10815	
CONCORD WWTF	CONCORD POTW	20072 20072-D01	2388.9	2099	1677	6269	10498	6467	3131	1040	4079	2559	5513	7372	10838	
SAINT PAULS SCHOOL	ST PAULS SCHOOL	20509 20509-S01	2427.2	2142	1719	6384	10678	6571	3186	1057	4129	2590	5568	7463	10965	
End of DR	Garvin Falls in Bow		2428.0	2143	1719	6386	10682	6574	3187	1057	4130	2590	5569	7464	10968	

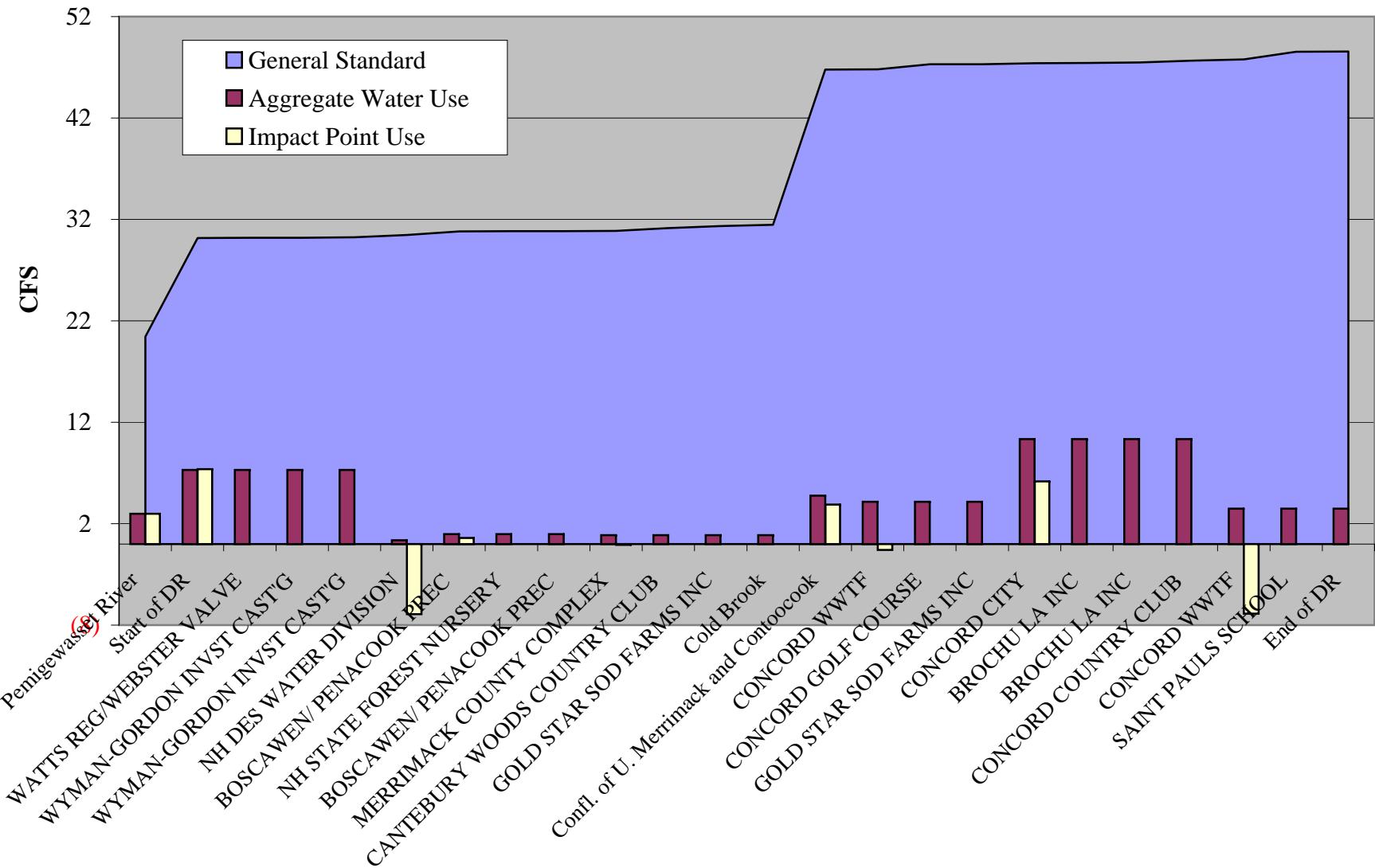
2003 Upper Merrimack Estimated Monthly General Standard at Each Impact Point in CFS																
WU_NAME	FACILITY	WUSD_ID	DA on	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Pemigewasset River	End of Designated Reach	Pemi stream flow	1022.6	20.5	20.5	40.9	40.9	40.9	40.9	20.5	40.9	40.9	40.9	40.9	164	
Start of DR	Winnipesaukee and Pemigewasset confluence		1508.4	30.2	30.2	60.3	60.3	60.3	60.3	30.2	60.3	60.3	60.3	60.3	241	
WATTS REG/WEBSTER VALVE	FRANKLIN PLANT	20124 20124-D02	1509.4	30.2	30.2	60.4	60.4	60.4	60.4	30.2	60.4	60.4	60.4	60.4	241	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-S02	1509.6	30.2	30.2	60.4	60.4	60.4	60.4	30.2	60.4	60.4	60.4	60.4	242	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-D02	1511.9	30.2	30.2	60.5	60.5	60.5	60.5	30.2	60.5	60.5	60.5	60.5	242	
NH DES WATER DIVISION	WINNIPESAUKER RIVER BASIN	20081 20081-D01	1523.1	30.5	30.5	60.9	60.9	60.9	60.9	30.5	60.9	60.9	60.9	60.9	244	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S02	1540.4	30.8	30.8	61.6	61.6	61.6	61.6	30.8	61.6	61.6	61.6	61.6	246	
NH STATE FOREST NURSERY	NH STATE FOREST NURSERY	20649 20649-S01	1542.4	30.8	30.8	61.7	61.7	61.7	61.7	30.8	61.7	61.7	61.7	61.7	247	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S03	1542.4	30.8	30.8	61.7	61.7	61.7	61.7	30.8	61.7	61.7	61.7	61.7	247	
MERRIMACK COUNTY COMPLEX	MERRIMACK COUNTY COMPLEX	20277 20277-D01	1543.4	30.9	30.9	61.7	61.7	61.7	61.7	30.9	61.7	61.7	61.7	61.7	247	
CANTEBURY WOODS COUNTRY CL	CANTERBURY WOODS CC	20754 20754-S04	1557.3	31.1	31.1	62.3	62.3	62.3	62.3	31.1	62.3	62.3	62.3	62.3	249	
GOLD STAR SOD FARMS INC	CANTERBURY	20378 20378-S01	1567.6	31.4	31.4	62.7	62.7	62.7	62.7	31.4	62.7	62.7	62.7	62.7	251	
Cold Brook			1573.4	31.5	31.5	62.9	62.9	62.9	62.9	31.5	62.9	62.9	62.9	62.9	252	
Confluence of Upper Merrimack and Cont	Contoocook water use	Cont stream flow	2339.2	46.8	46.8	93.6	374	93.6	93.6	32.7	93.6	93.6	93.6	93.6	374	
CONCORD WWTF	PENACOOK POTW	20073 20073-D01	2339.4	46.8	46.8	93.6	374	93.6	93.6	32.7	93.6	93.6	93.6	93.6	374	
CONCORD GOLF COURSE	BEAVER MEADOW GOLF COURSE	20529 20529-S01	2364.8	47.3	47.3	94.6	378	94.6	94.6	32.8	94.6	94.6	94.6	94.6	378	
GOLD STAR SOD FARMS INC	CONCORD	20379 20379-S01	2364.9	47.3	47.3	94.6	378	94.6	94.6	32.8	94.6	94.6	94.6	94.6	378	
CONCORD CITY	WATER WORKS	20005 20005-S01	2369.8	47.4	47.4	94.8	379	94.8	94.8	32.8	94.8	94.8	94.8	94.8	379	
BROCHU LA INC	CONCORD	20459 20459-S02	2371.2	47.4	47.4	94.8	379	94.8	94.8	32.8	94.8	94.8	94.8	94.8	379	
BROCHU LA INC	CONCORD	20459 20459-S01	2374.3	47.5	47.5	95.0	380	95.0	95.0	32.8	95.0	95.0	95.0	95.0	380	
CONCORD COUNTRY CLUB	CONCORD COUNTRY CLUB	20710 20710-S01	2382.2	47.6	47.6	95.3	381	95.3	95.3	32.8	95.3	95.3	95.3	95.3	381	
CONCORD WWTF	CONCORD POTW	20072 20072-D01	2388.9	47.8	47.8	95.6	382	95.6	95.6	32.8	95.6	95.6	95.6	95.6	382	
SAINT PAULS SCHOOL	ST PAULS SCHOOL	20509 20509-S01	2427.2	48.5	48.5	97.1	388	97.1	97.1	32.9	97.1	97.1	97.1	97.1	388	
End of DR	Garvin Falls in Bow		2428.0	48.6	48.6	97.1	388	97.1	97.1	32.9	97.1	97.1	97.1	97.1	388	

2003 Upper Merrimack Estimated Monthly Margin of the Aggregate Water Use Below the General Standard in CFS																
WU_NAME	FACILITY	WUSD_ID	DA on	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Pemigwasset River	End of Designated Reach	Pemi stream flow	1022.6	13.7	17.5	38.6	38.0	37.2	35.8	15.4	36.4	37.7	38.2	36.1	155.9	
Start of DR	Winnipesaukee and Pemigwasset confluence		1508.4	18.8	22.9	53.7	53.2	52.4	49.6	18.1	49.8	51.8	53.7	51.7	228	
WATTS REG/WEBSTER VALVE	FRANKLIN PLANT	20124 20124-D02	1509.4	18.8	22.9	53.8	53.3	52.5	49.6	18.2	49.9	51.9	53.8	51.8	228	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-S02	1509.6	18.8	22.9	53.8	53.3	52.5	49.6	18.2	49.9	51.9	53.8	51.8	228	
WYMAN-GORDON INVST CAST'G	FRANKLIN PLANT	20122 20122-D02	1511.9	18.8	22.9	53.9	53.4	52.6	49.7	18.2	50.0	52.0	53.9	51.9	229	
NH DES WATER DIVISION	WINNIPESAUKER RIVER BASIN	20081 20081-D01	1523.1	26.2	30.1	64.9	66.5	63.7	58.8	25.7	59.9	60.2	62.8	62.5	242	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S02	1540.4	26.0	29.8	65.0	66.5	63.9	59.1	25.8	60.3	60.6	63.2	62.7	245	
NH STATE FOREST NURSERY	NH STATE FOREST NURSERY	20649 20649-S01	1542.4	26.0	29.9	65.0	66.6	64.0	59.2	25.8	60.4	60.7	63.3	62.8	245	
BOSCAWEN/ PENACOOK PREC	WATER WORKS	20361 20361-S03	1542.4	26.0	29.9	65.0	66.6	63.8	58.9	25.3	60.0	60.4	63.0	62.7	244	
MERRIMACK COUNTY COMPLEX	MERRIMACK COUNTY COMPLEX	20277 20277-D01	1543.4	26.1	30.0	65.1	66.7	63.9	59.0	25.4	60.1	60.5	63.1	62.8	245	
CANTEBURY WOODS COUNTRY CLU	CANTERBURY WOODS CC	20754 20754-S04	1557.3	26.4	30.3	65.7	67.3	64.5	59.5	25.5	60.5	60.9	63.6	63.4	247	
GOLD STAR SOD FARMS INC	CANTERBURY	20378 20378-S01	1567.6	26.6	30.5	66.1	67.6	64.5	59.1	24.3	59.8	59.7	63.8	63.8	248	
Cold Brook			1573.4	26.7	30.6	66.3	67.9	64.7	59.3	24.4	60.0	59.9	64.1	64.1	249	
Confluence of Upper Merrimack and Contoocook water use	Cont stream flow	2339.2	40.4	42.0	96.7	374	91.3	88.8	22.7	88.8	88.7	93.3	93.0	370		
CONCORD WWTF	PENACOOK POTW	20073 20073-D01	2339.4	41.0	42.6	97.9	375	92.2	89.5	23.3	89.9	89.4	94.1	94.0	371	
CONCORD GOLF COURSE	BEAVER MEADOW GOLF COURSE	20529 20529-S01	2364.8	41.5	43.1	98.9	379	93.2	90.3	23.2	90.8	90.3	95.1	95.0	375	
GOLD STAR SOD FARMS INC	CONCORD	20379 20379-S01	2364.9	41.5	43.1	98.9	379	93.2	90.0	22.3	90.6	89.9	95.1	95.0	375	
CONCORD CITY	WATER WORKS	20005 20005-S01	2369.8	34.6	37.0	92.6	373	86.6	82.8	13.8	83.3	82.2	87.8	87.8	369	
BROCHU LA INC	CONCORD	20459 20459-S02	2371.2	34.6	37.1	92.7	374	86.6	82.8	13.7	83.3	82.2	87.9	87.9	369	
BROCHU LA INC	CONCORD	20459 20459-S01	2374.3	34.7	37.1	92.8	374	86.7	82.9	13.7	83.4	82.3	88.0	88.0	370	
CONCORD COUNTRY CLUB	CONCORD COUNTRY CLUB	20710 20710-S01	2382.2	34.8	37.3	93.1	375	86.9	83.0	13.5	83.6	82.6	88.3	88.3	371	
CONCORD WWTF	CONCORD POTW	20072 20072-D01	2388.9	42.1	44.3	102.2	387	95.8	90.8	19.9	90.6	89.3	95.2	96.0	380	
SAINT PAULS SCHOOL	ST PAULS SCHOOL	20509 20509-S01	2427.2	42.8	45.1	103.7	393	97.3	92.3	19.9	92.0	90.7	96.7	97.5	387	
End of DR	Garvin Falls in Bow		2428.0	42.9	45.1	103.8	393	97.4	92.3	19.9	92.1	90.7	96.8	97.5	387	

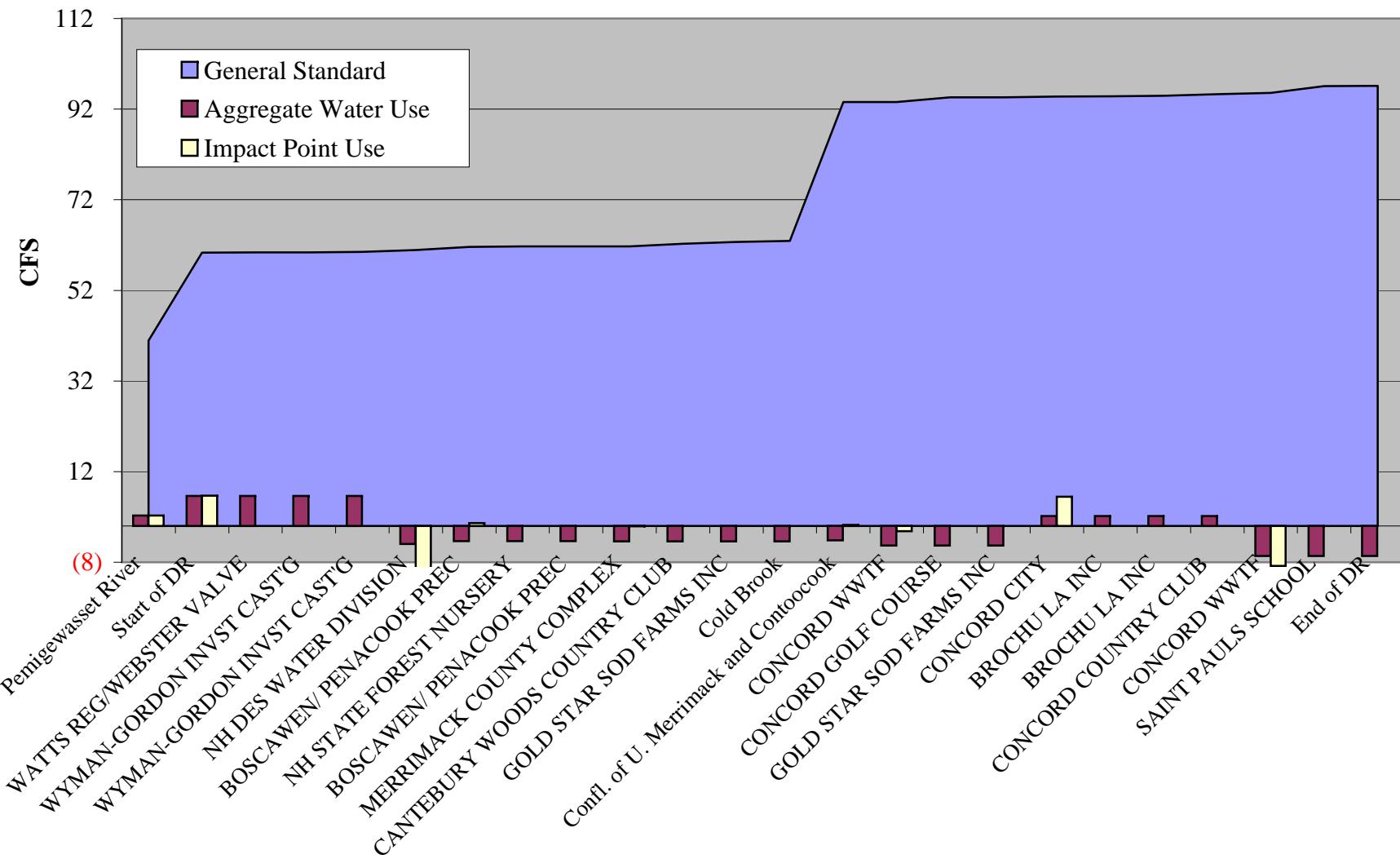
January 2003 Upper Merrimack



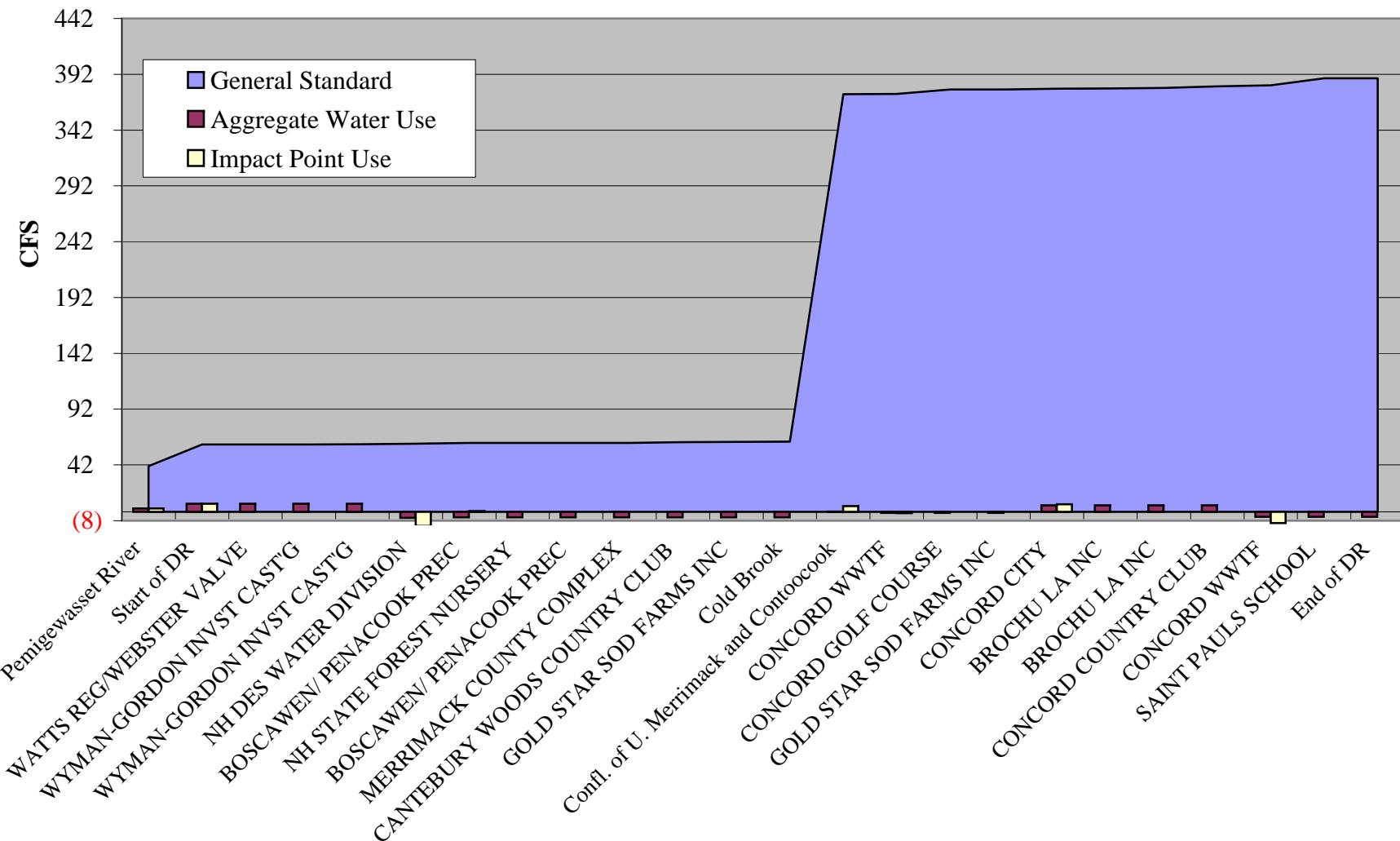
February 2003 Upper Merrimack



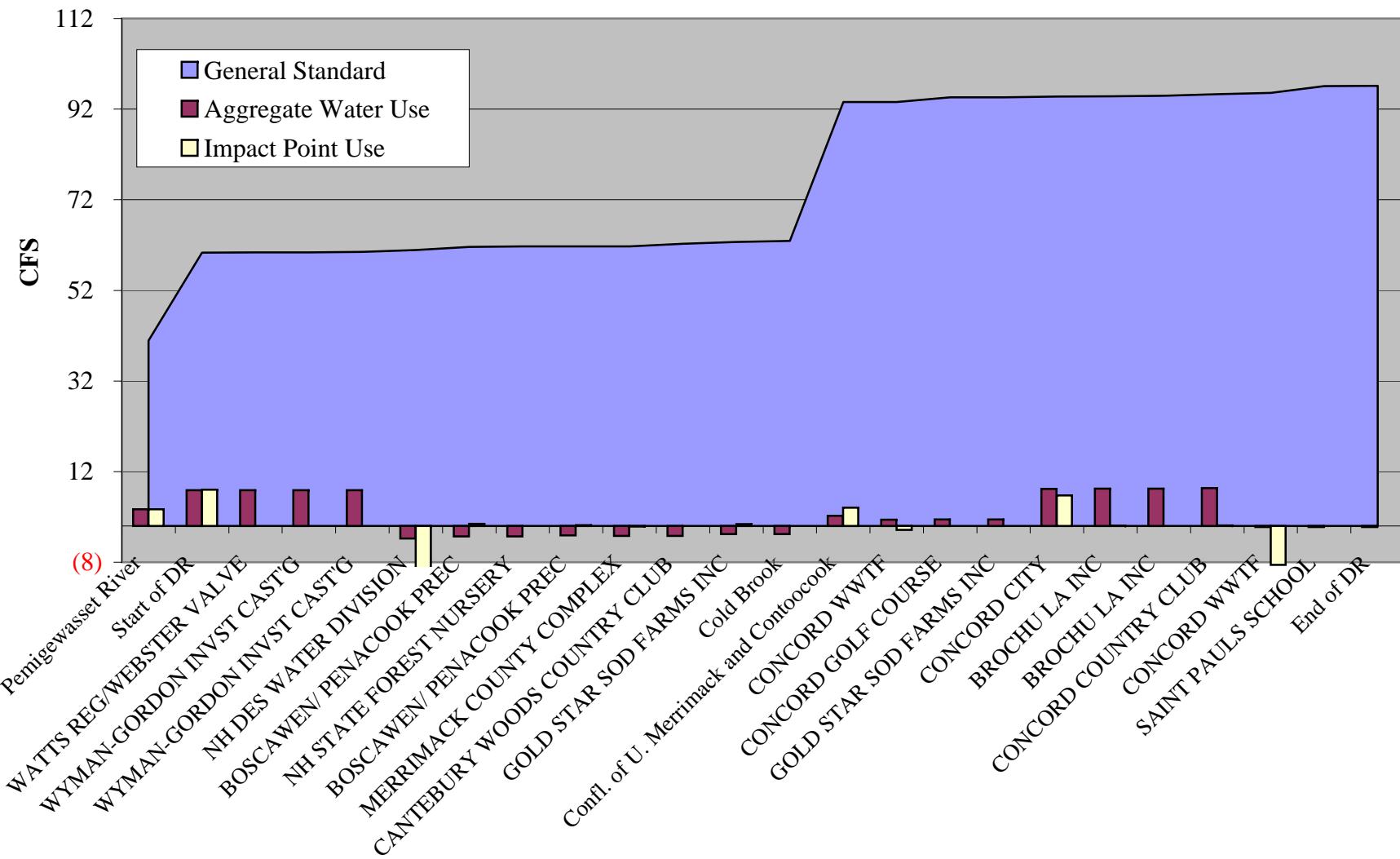
March 2003 Upper Merrimack



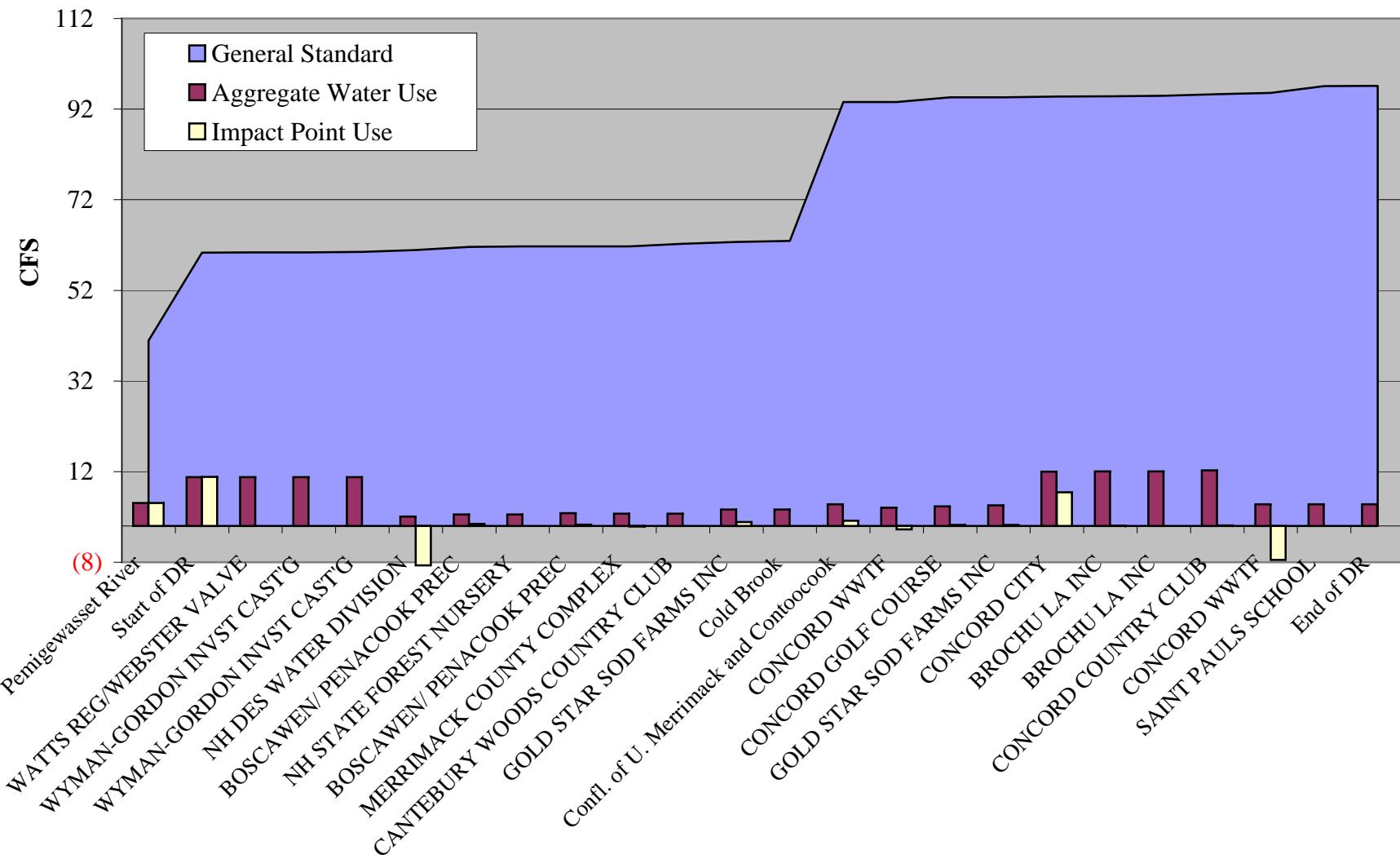
April 2003 Upper Merrimack



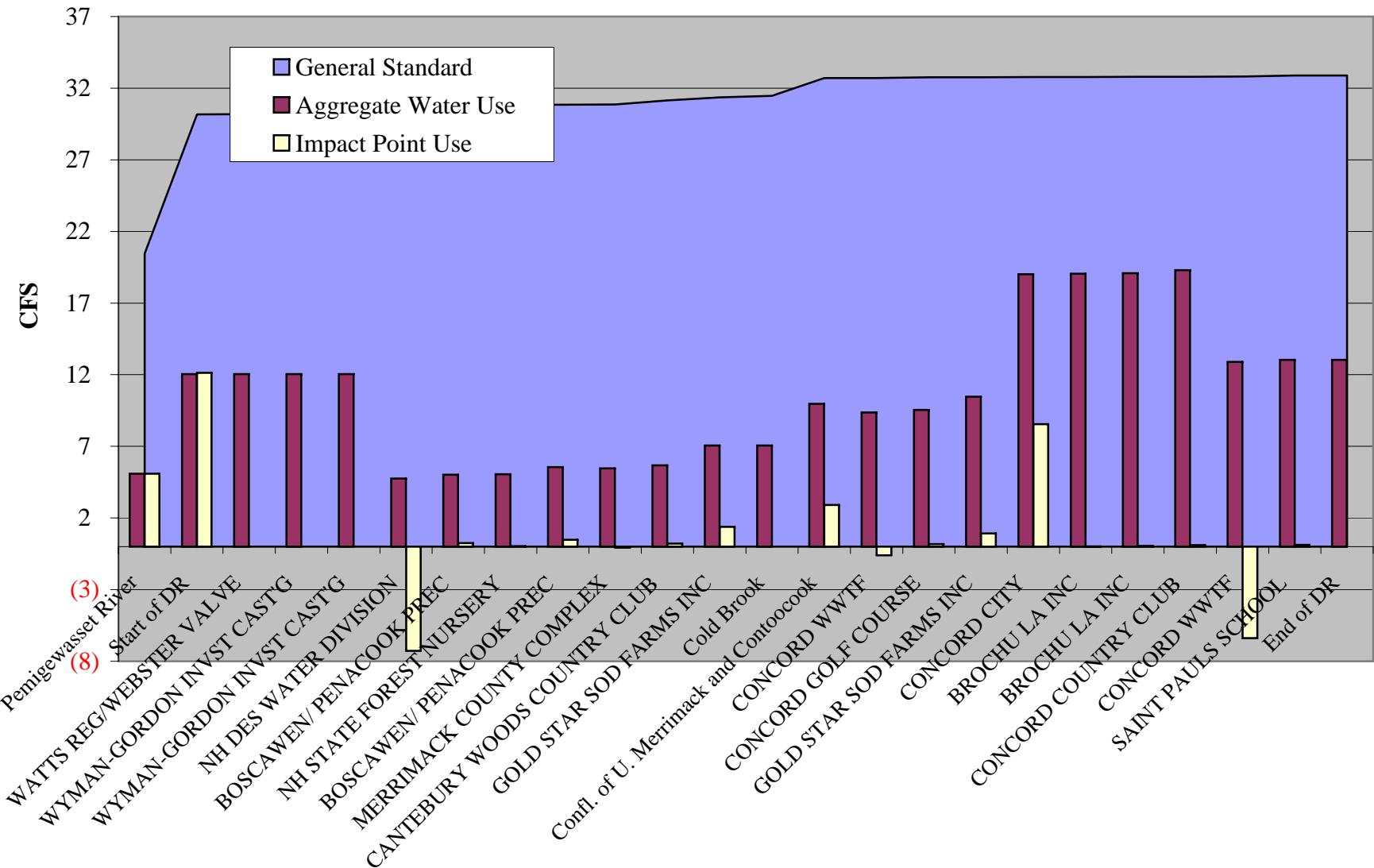
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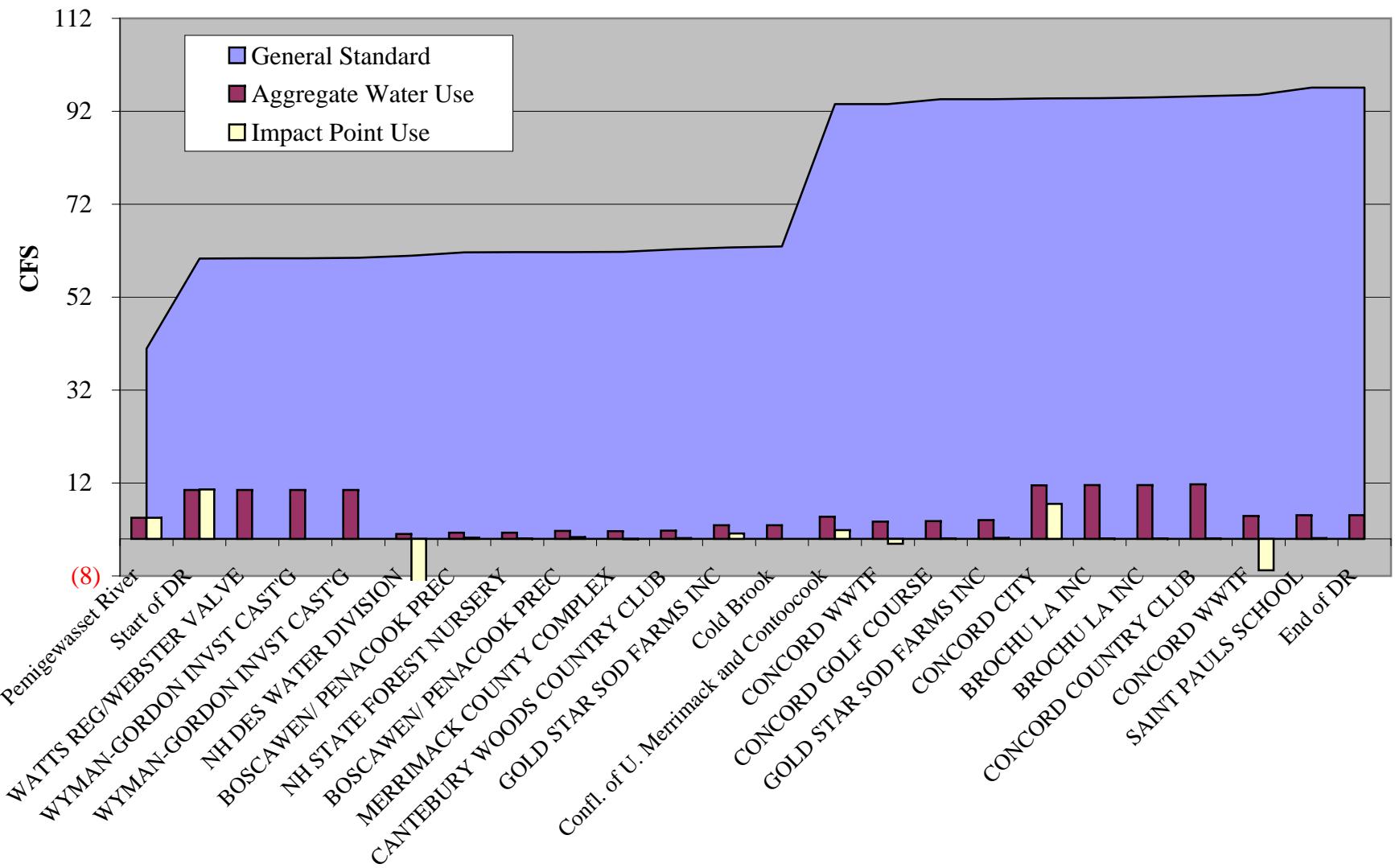
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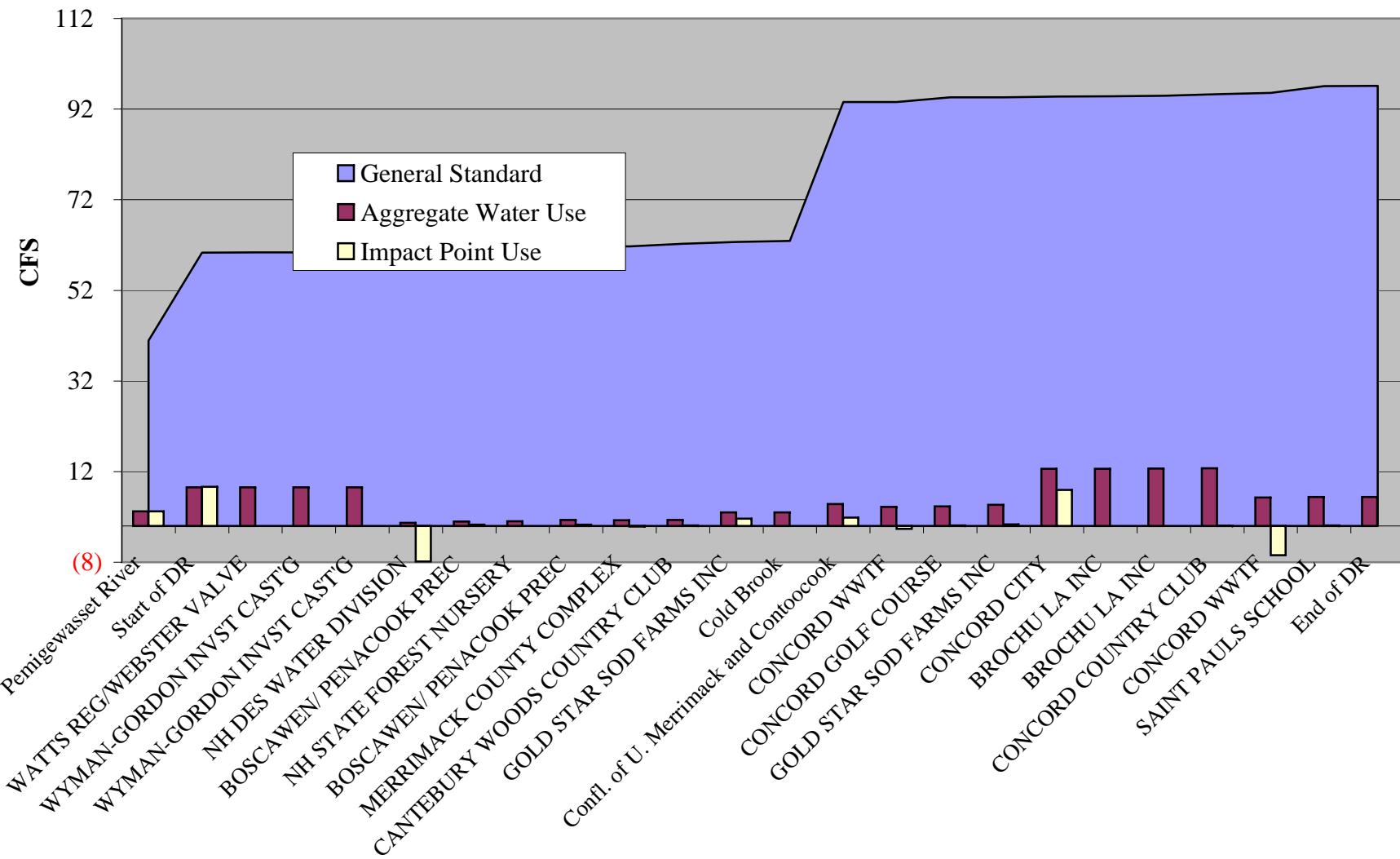
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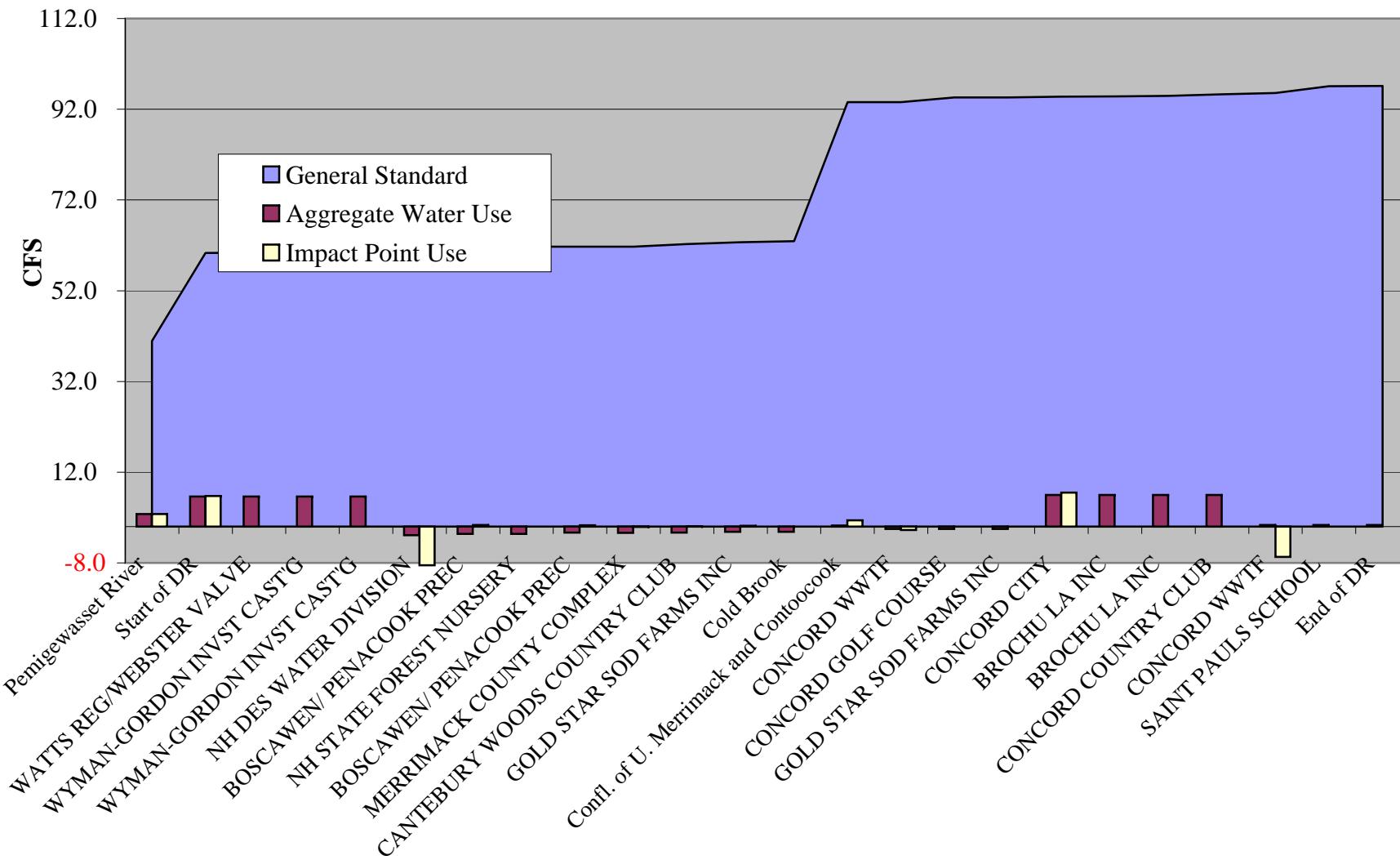
August 2003 Upper Merrimack



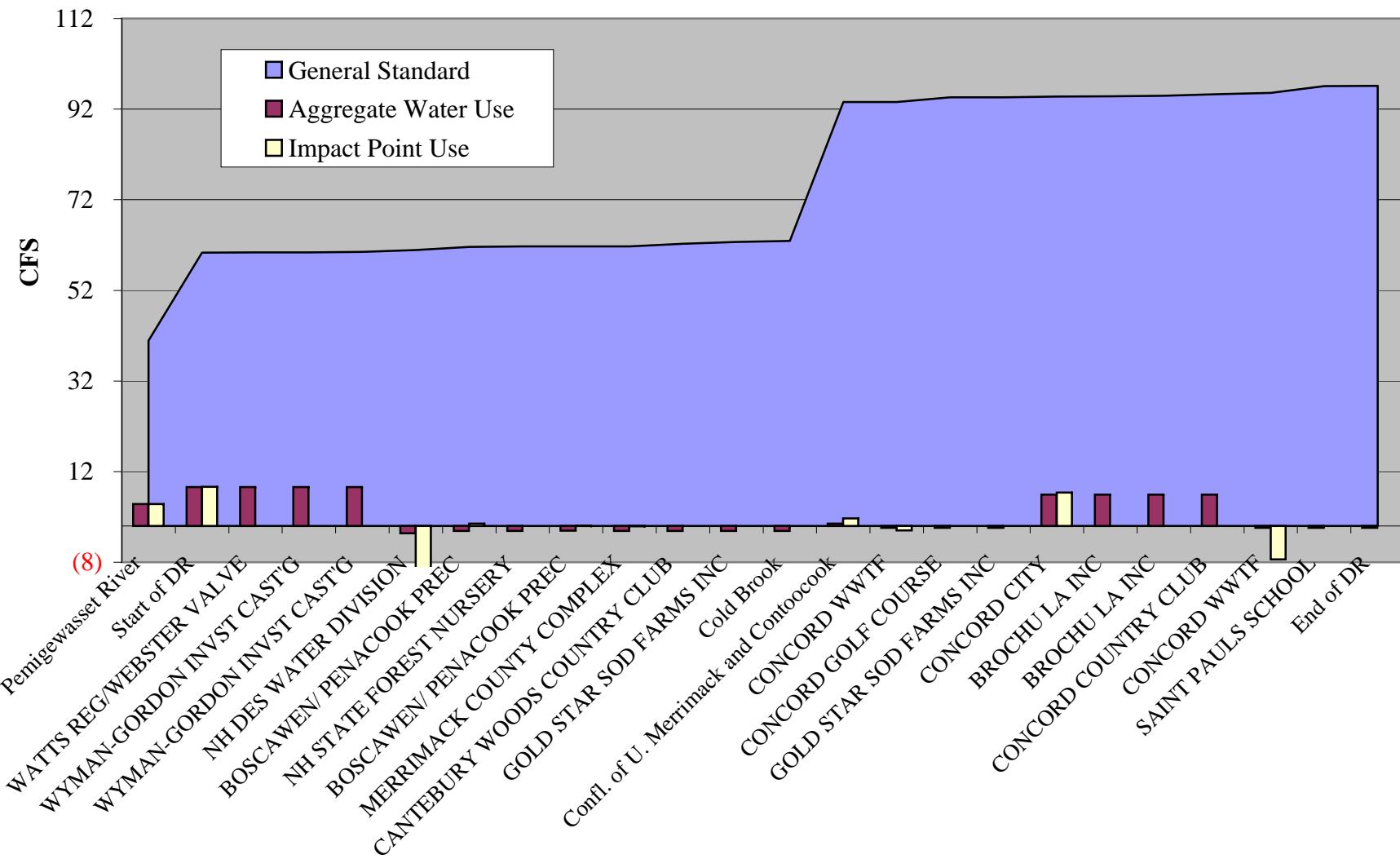
September 2003 Upper Merrimack



October 2003 Upper Merrimack



November 2003 Upper Merrimack



December 2003 Upper Merrimack

